

## CLAIMS:

1. A method of manufacturing a display device, in which a substrate is provided with groups of at least one pixel and a conductor pattern and in which a semiconductor device for supplying drive voltages to the pixel is fixed to the substrate, the method comprising the steps of
- 5 providing a semiconductor substrate with a plurality of semiconductor devices having electric connection contacts on their surfaces,  
mutually separating the semiconductor devices in a surface region of the semiconductor substrate,  
coupling the electric connection contacts to the conductor pattern, and
- 10 subsequently separating the semiconductor devices from the semiconductor substrate.
2. A method as claimed in claim 1, wherein at least a part of the electric connection contacts is connected to the conductor pattern in an electrically conducting manner.
- 15
3. A method of manufacturing a display device, in which a substrate is provided with groups of at least one pixel and in which a semiconductor device for supplying drive voltages to the pixel is fixed to the substrate, the method comprising the steps of
- 20 providing a semiconductor substrate with a plurality of semiconductor devices having electric connection contacts on their surfaces,  
mutually separating the semiconductor devices in a surface region of the semiconductor substrate,  
subsequently separating the semiconductor devices from the semiconductor substrate, and  
subsequently providing the substrate with a conductor pattern at least at the location of the
- 25 semiconductor devices and coupling the electric connection contacts to the conductor pattern.
4. A method as claimed in claim 3, wherein at least a part of the electric connection contacts is connected to the conductor pattern in an electrically conducting manner.

10052342 "011802  
2005.10.24 21:00

5. A method as claimed in claim 1 or 3, wherein the semiconductor devices have the same pitch as the groups of pixels in at least one dimension.

5 6. A method as claimed in claim 1 or 3, wherein a semiconductor device is associated with a plurality of pixels.

7. A method as claimed in claim 6, wherein the semiconductor device comprises drive electronics for the pixels.

10 8. A method as claimed in claim 1 or 3, wherein the semiconductor devices are separated by means of an etching treatment in a surface region of the semiconductor substrate.

15 9. A method as claimed in claim 1 or 3, wherein the semiconductor devices are provided in a semiconductor layer on an insulating layer (19) and are separated by means of an etching treatment.

20 10. A method as claimed in claim 1 or 3, wherein the substrate is flexible.

25 11. A method of manufacturing an electronic device, in which at least a substrate is provided with functional groups comprising at least a switching element, and in which a semiconductor device for supplying drive voltages to the switching element is fixed to the substrate, the method comprising the steps of  
30 providing the substrate with a conductor pattern,  
providing a semiconductor substrate with a plurality of semiconductor devices having electric connection contacts on their surfaces,  
mutually separating the semiconductor devices in a surface region of the semiconductor substrate,  
coupling the electric connection contacts to the conductor pattern, and  
subsequently separating the semiconductor devices from the semiconductor substrate.

12. A method as claimed in claim 11, wherein at least a part of the electric connection contacts is connected to the conductor pattern in an electrically conducting manner.

5 13. A method of manufacturing an electronic device, in which at least a substrate is provided with functional groups comprising at least a switching element, and in which a semiconductor device for supplying drive voltages to the switching element is fixed to the substrate, the method comprising the steps of  
10 providing a semiconductor substrate with a plurality of semiconductor devices having electric connection contacts on their surfaces,  
mutually separating the semiconductor devices in a surface region of the semiconductor substrate,  
subsequently separating the semiconductor devices from the semiconductor substrate, and  
15 providing the substrate with a conductor pattern and coupling the electric connection contacts to the conductor pattern.

14. A method as claimed in claim 13, wherein at least a part of the electric connection contacts is connected to the conductor pattern in an electrically conducting manner.

20

15. A method as claimed in claim 11 or 13, wherein the semiconductor devices have the same pitch as the functional groups in at least one dimension.

10052342 "01.1902"

SE 13